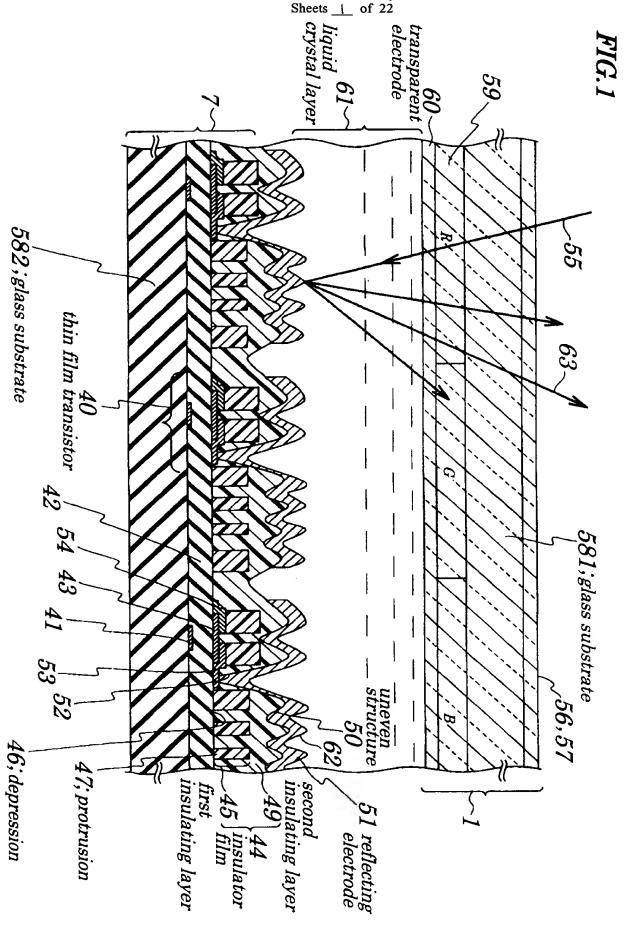
Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001



Hiroshi KANOU et al.

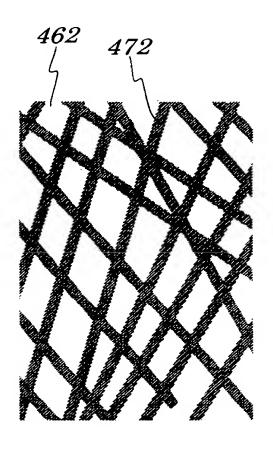
"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 2 of 22

FIG.2A

FIG.2B



Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 3 of 22

FIG.3A

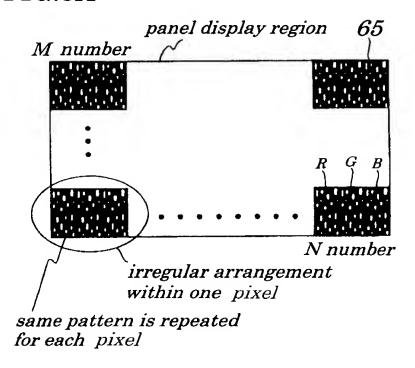
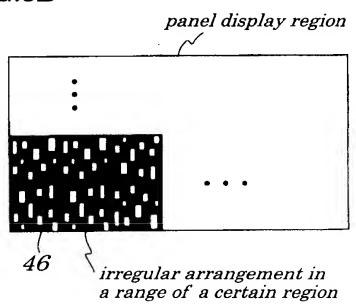


FIG.3B



Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display and Method for Manufacturing the Same" 09/765,366 - Filed January 22, 2001 Sheets 4 of 22

FIG.4A

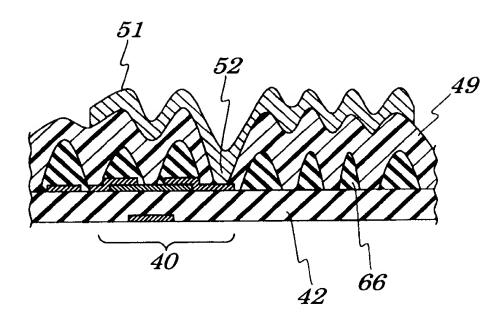
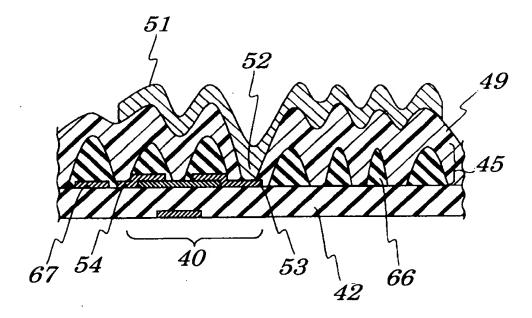


FIG.4B



Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display and Method for Manufacturing the Same" 09/765,366 - Filed January 22, 2001 Sheets 5 of 22

FIG.5A

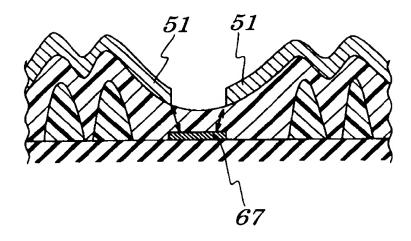


FIG.5B

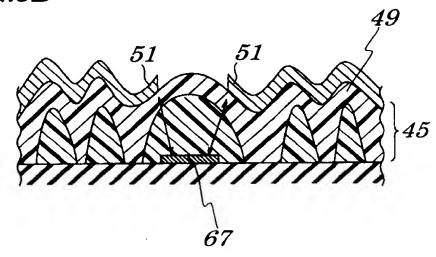
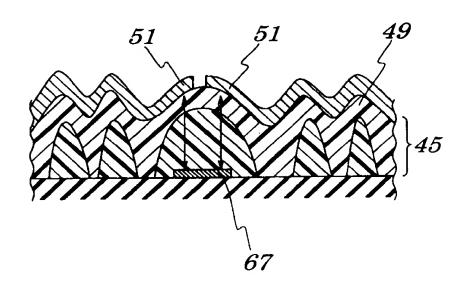


FIG.5C



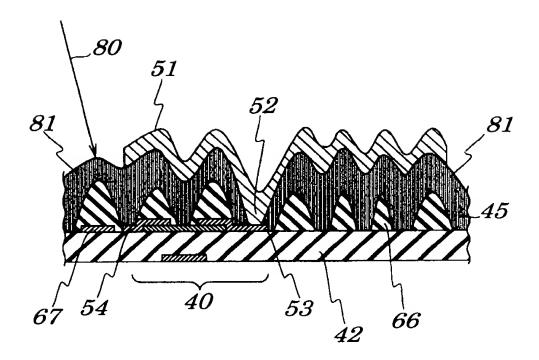
Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 6 of 22

FIG.6



Hiroshi KANOU et al.

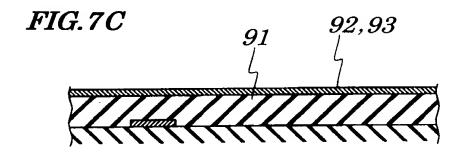
"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

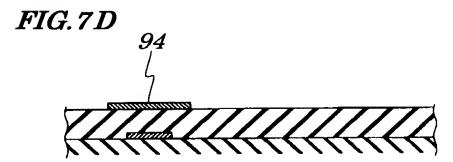
09/765,366 - Filed January 22, 2001

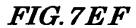
Sheets _7_ of 22

FIG. 7AB









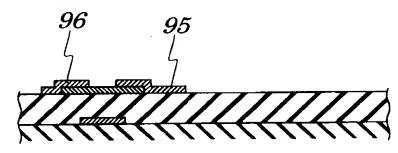
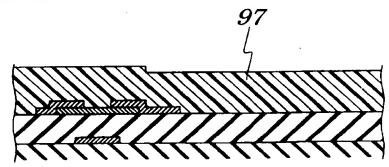


FIG.7G



Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 8 of 22

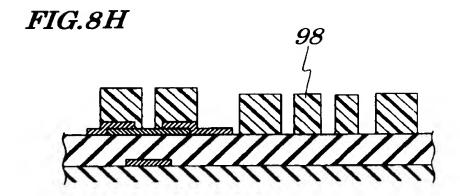


FIG.81

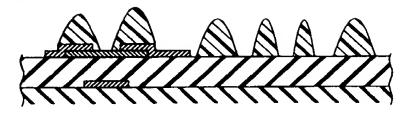
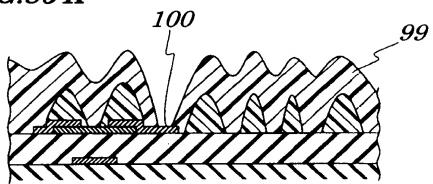
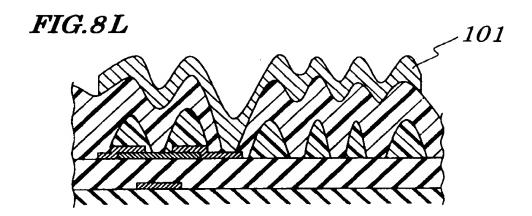


FIG.8JK





Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 9 of 22

FIG.9AB

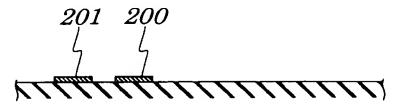


FIG.9C

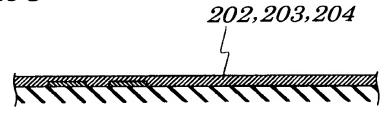


FIG.9DE

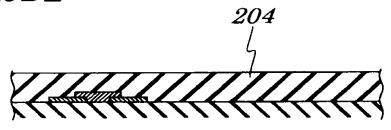


FIG.9FG

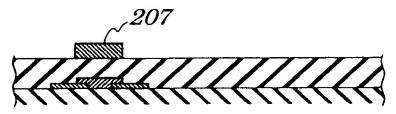
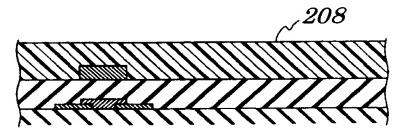


FIG.9H



Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 10 of 22

FIG.10 I

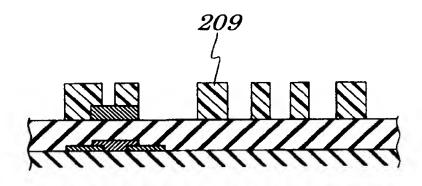


FIG.10JK

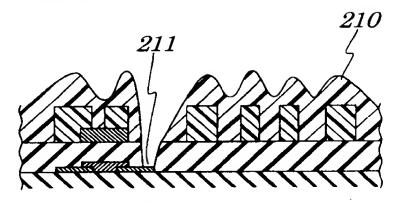
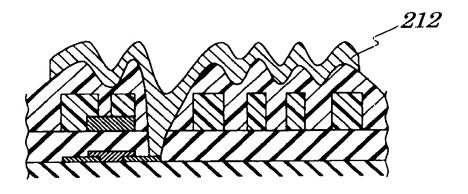


FIG.10LM



Hiroshi KANOU et al.

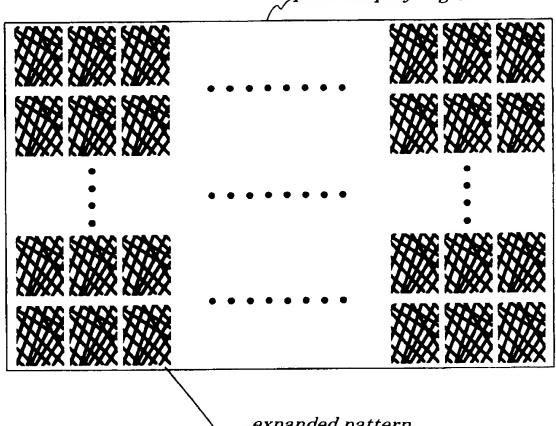
"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 11 of 22

FIG.11

, panel display region



expanded pattern

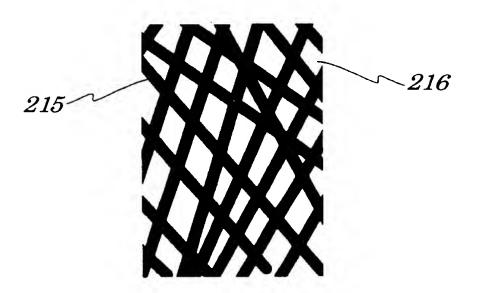


FIG.12

, panel display region expanded pattern 215 216-

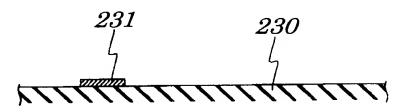
Hiroshi KANOU et al.

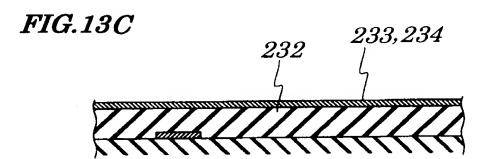
"Reflection-Type Liquid Crystal Display
and Method-for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 13 of 22

FIG.13AB







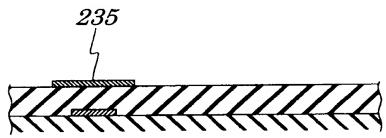
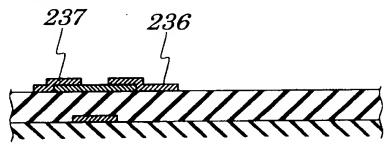
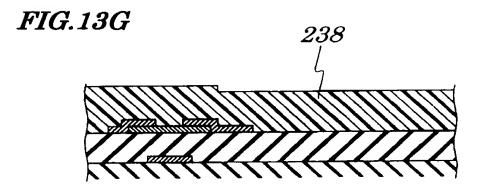


FIG.13EF





Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method-for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 14 of 22

FIG.14 H

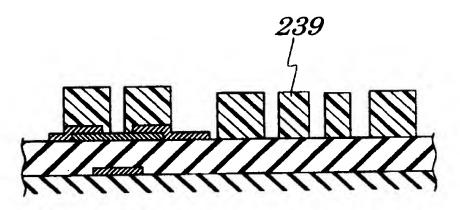
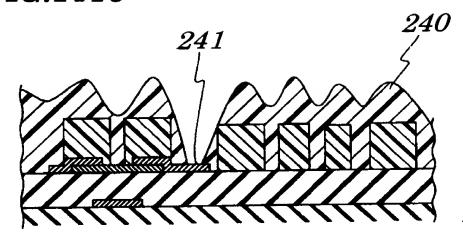
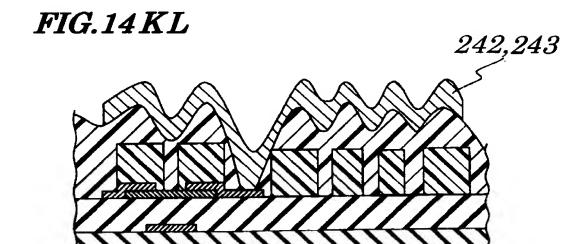


FIG.14 I J





Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 15 of 22

FIG.15AB

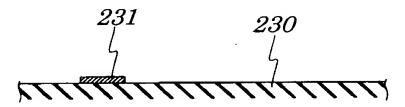


FIG.15C

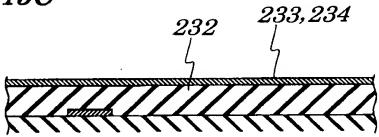


FIG.15D

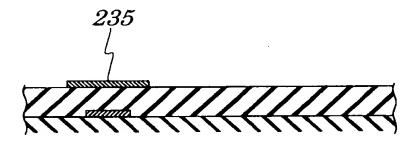


FIG.15EF

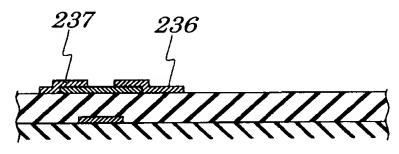
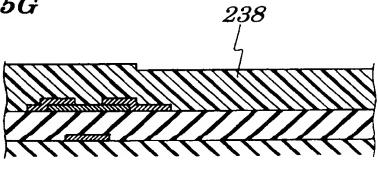


FIG.15G

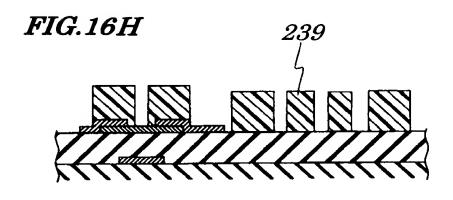


Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 16 of 22



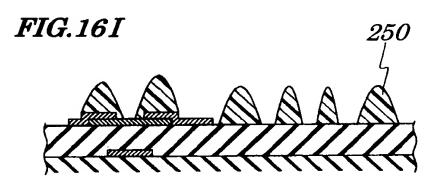
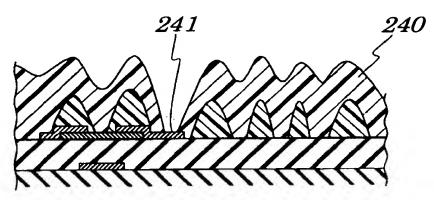


FIG.16JK



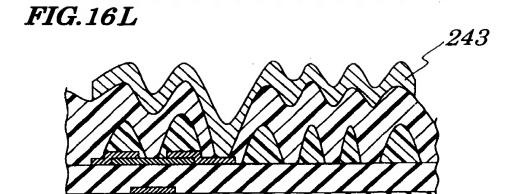


FIG.17

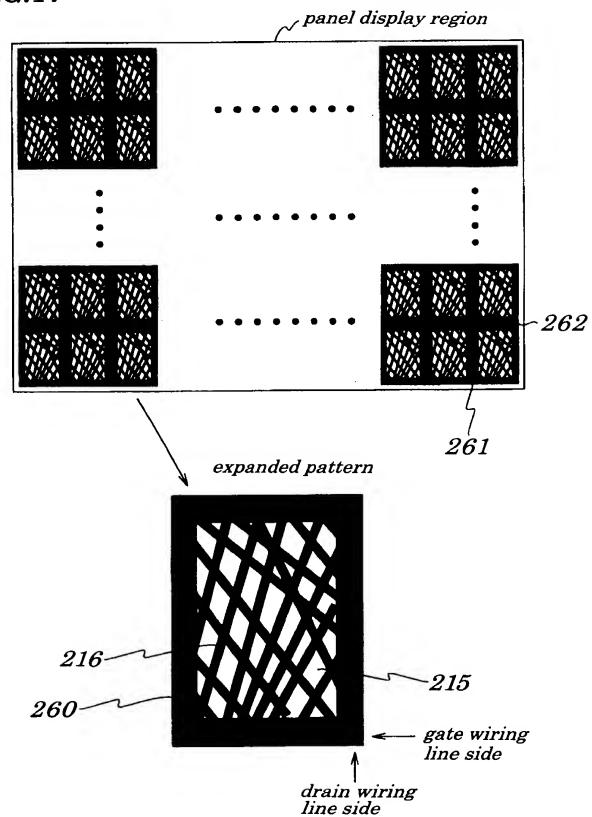
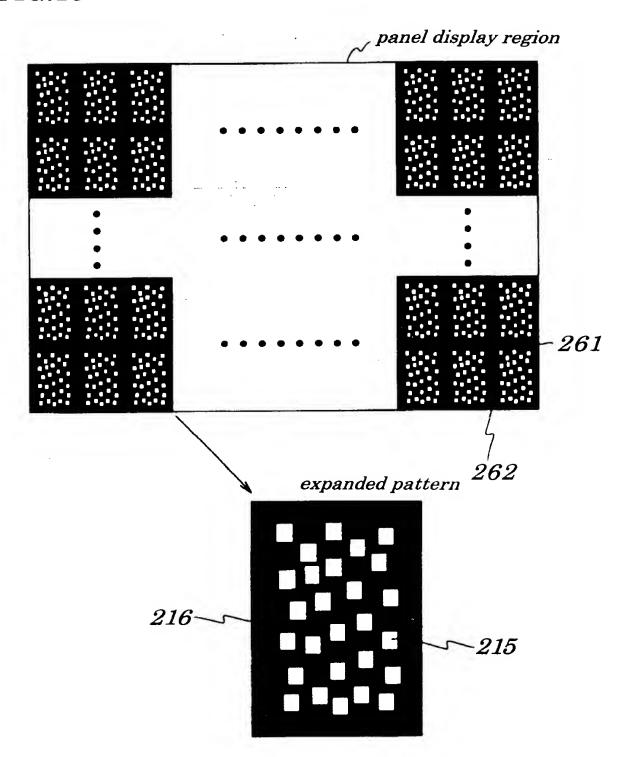


FIG.18



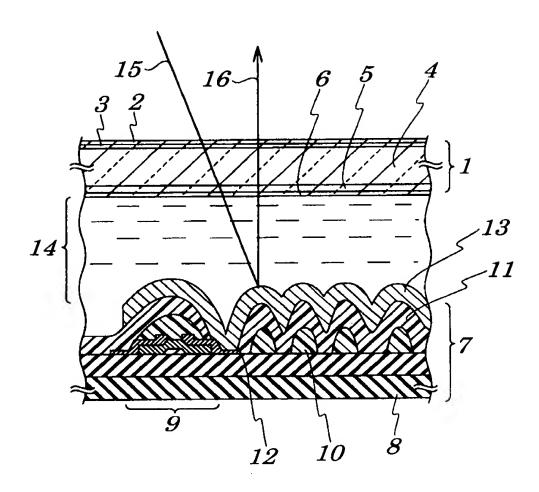
Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets | 9 of 22

FIG. 19 (PRIOR ART)

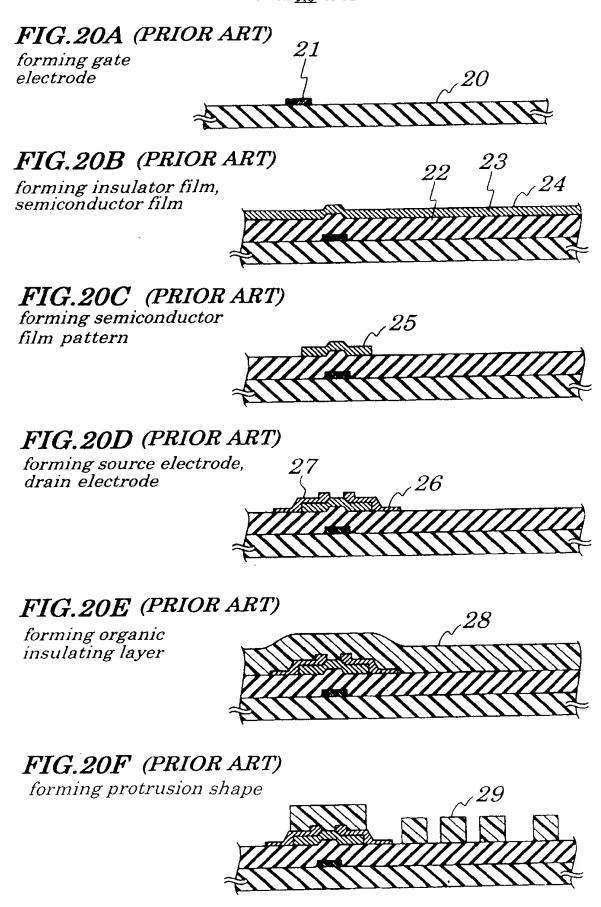


Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 20 of 22



Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method*for Manufacturing the Same"

09/765,366 - Filed January 22, 2001

Sheets 21 of 22

FIG.21G (PRIOR ART)

smooth protrusion shape

30

FIG.21H (PRIOR ART)

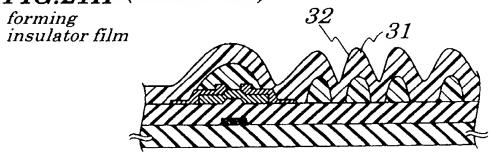


FIG.21I (PRIOR ART)

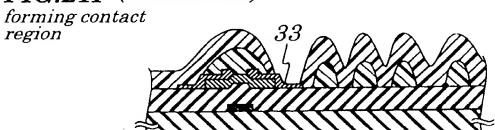
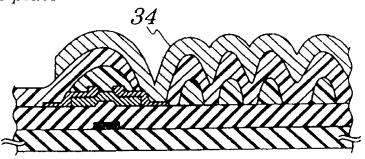


FIG.21J (PRIOR ART)

forming reflecting pixel electrode plate



Hiroshi KANOU et al.

"Reflection-Type Liquid Crystal Display
and Method for Manufacturing the Same"
09/765,366 - Filed January 22, 2001
Sheets 22 of 22

FIG.22 (PRIOR ART)

